





















Technical Specifications



CLASSIFICATION ACCORDING TO SANS 1449:2012

Product Name **MADISON GREY ECO 600X600 R** Product Code **IMA20M1A** Date of Test **2023-02-20**

Parameter	Standard	Required	Achieved
 Length Range (mm)	SANS 1449	± 0.5%	600
 Width Range (mm)	SANS 1449	± 0.5%	600
 Thickness Range (mm)	SANS 1449	± 5%	5-5.1
 Straightness of Sides (%)	SANS 1449	± 0.3%	± 0.5
 Rectangularity (%)	SANS 1449	± 0.5	± 0.5
 Centre Curvature (%)	SANS 1449	+0.5 / -0.3	0.5 / -0.3
 Edge Curvature (%)	SANS 1449	+0.5 / -0.3	0.5 / -0.3
 Warpage (%)	SANS 1449	± 0.5	± 0.5
 Water Absorption (%)	SANS 1449	0.5 < E < 3	2-3
 Modulus of Rupture (Mpa)	SANS 1449	MIN 30	44-50
 Scratch Resistance (MOHS)	SANS 1449	MIN 5	8
 Resistance to Surface Abrasion (PEI)	SANS 1449	MIN 2 LOW	4 HIGH
 Slip Resistance Rating	DIN 51130	MIN R 9	-
 Coefficient of Linear Thermal Expansion (10-6/C)	SANS 1449	MAX 9	5.4
 Resistance to Household Chemicals & Swimming Pool Agents	SANS 1449	MIN CLASS B	CLASS AA
 Resistance to Staining	SANS 1449	MIN CLASS II	CLASS I
 Resistance to Cracking	SANS 1449	NO CRAZING	NO CRAZING
 Moisture Expansion	SANS 1449	< 0.05%	0.008